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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,441	01/06/2004	Bret K. Street	M4065.1005/P1005	2570
45374 DICKSTEIN SI	7590 03/17/200 HAPIRO LLP	EXAMINER		
1825 EYE STR	EET, NW	WOJCIECHOWICZ, EDWARD JOSEPH		
WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER
			2815	
			MAIL DATE	DELIVERY MODE
			03/17/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/751,441	STREET ET AL.				
		Examiner	Art Unit				
		Edward Wojciechowicz	2815				
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) 又	Responsive to communication(s) filed on 11 D	December 2007					
· · ·	Responsive to communication(s) filed on <u>11 December 2007</u> .  This action is <b>FINAL</b> . 2b) This action is non-final.						
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٥,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	Claim(s) 18-22 and 63-70 is/are pending in the	e application.					
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
	6) Claim(s) <u>18-22 and 63-70</u> is/are rejected.						
· ·	Claim(s) is/are objected to.						
•	Claim(s) are subject to restriction and/o	or election requirement.					
	on Papers	·					
		\n_					
•	9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
10)							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
	ınder 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
2)  Notic 3)  Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal F 6)  Other:	ate				

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 18-22 and 63-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glenn in view of Chia et al and Barton et al (6,744,109). The description of the Glenn and Chia references is hereby incorporated by reference from the previous rejection. The Barton reference, which was cited earlier in the prosecution, is being applied again to this rejection, in view of applicants' amendments to the claims.

Applicants' have amended the claims to essentially require that the adhesive flow restriction area, which comprises at least one trench, is on the same surface of the die as the imaging elements. While the Chia reference does show trenches formed in the inactive side of the device that would serve to impede the adhesive flow, the reference to Barton is cited to provide an explicit showing of adhesive flow impeding "trenches" which may be formed on the active surface of the die, as well.

Specifically, as shown in FIG. 3A of Barton, adhesive flow barrier regions (330) are formed around the perimeter of the device. The proximity of these barrier regions to elements (320) serve to form a "trench" that would also serve to impede the flow of adhesive.

It is noted that the actual claim language requires only that the flow restriction area is formed on the surface of the die, and the claims do not define any specific structure for the trenches, nor do they require that the trench extend below the surface of the die.

In addition, as seen in FIG. 3B and FIG. 5 or Barton, plural trenches may be used to create a perimeter around the imaging elements, and extend from edge to edge on the die, as claimed.

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Taken together, the cited references teach all of the claimed features of the invention. One skilled in the art would be motivated to combine these references in order to achieve superior adhesive flow restriction, as taught by the references.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on (571) 272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative

or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-

1000.

/Edward Wojciechowicz/ Primary Examiner, Art Unit 2815

> Edward Wojciechowicz Primary Examiner Art Unit 2815

EW: ew